

AMENDMENT IN RESPONSE TO QUAYLE ACTION
U.S. Patent Application No. 09/534,034

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Cancelled)

2. (Previously Presented) An optical component fixing method using an adhesive to fix the optical component and a support on which the optical component is to be fixed at a prescribed location, the method comprising:

a step of forming a notch in the support;

a step of scoring a surface of the support so as to form kerfs communicating with the notch;

a step of bringing the optical component into direct contact with the scored surface of the support; and

a step of flowing a fluid adhesive along kerfs produced by the scoring, wherein the scoring kerfs are formed at a pitch of 3 μm - 300 μm .

3. (Previously Presented) An optical component fixing method using an adhesive to fix the optical component and a support on which the optical component is to be fixed at a prescribed location, the method comprising:

a step of forming a notch in the support;

a step of scoring a surface of the support so as to form kerfs communicating with the notch;

a step of bringing the optical component into direct contact with the scored surface of the support; and

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a step of flowing a fluid adhesive along kerfs produced by the scoring,
wherein the scoring kerfs are formed to a depth of 0.1 μm - 1 μm .

4. (Previously Presented) An optical component fixing method using an adhesive to fix the optical component and a support on which the optical component is to be fixed at a prescribed location, the method comprising:

a step of forming a notch in the support;
a step of scoring a surface of the support so as to form kerfs communicating with the notch;
a step of bringing the optical component into direct contact with the scored surface of the support; and
a step of flowing a fluid adhesive along kerfs produced by the scoring,
wherein an attachment surface of the support has a flatness of 1 μm or less.

5. (Previously Presented) An optical component fixing method according to any one of claims 2 to 4, wherein the step of bringing the optical component into direct contact with the scored surface of the support further comprises bringing a solid state laser apparatus component into direct contact with the scored surface.

6. (Canceled)

7. (Currently Amended) An optical component support to which an optical component is to be fixed with an adhesive, the support comprising a surface provided with a notch and scoring scored kerfs communicating with the notch,
wherein the scoring scored kerfs are formed at a pitch of 3 μm - 300 μm .

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8. (Currently Amended) An optical component support to which an optical component is ~~to be~~ fixed with an adhesive, the support comprising a surface provided with a notch and ~~scoring~~ scored kerfs communicating with the notch,
wherein the ~~scoring~~ scored kerfs are formed to a depth of 0.1 μm - 1 μm .

9. (Currently Amended) An optical component support to which an optical component is ~~to be~~ fixed with an adhesive, the support comprising a surface provided with a notch and ~~scoring~~ scored kerfs communicating with the notch,
wherein an attachment surface of the support has a flatness of 1 μm or less.

10. - 15. (Canceled)

16. (Previously Presented) An optical component fixing method using an adhesive to fix the optical component and a support on which the optical component is to be fixed at a prescribed location, the method comprising:

a step of forming a notch in the support;

a step of scoring a surface of the support so as to form kerfs communicating with the notch;

a step of bringing the optical component into direct contact with the scored surface of the support; and

a step of flowing a fluid adhesive along kerfs produced by the scoring,
wherein the scoring kerfs are formed at a pitch of 3 μm - 300 μm , and
wherein an attachment surface of the support has a flatness of 1 μm or less.

17. (Previously Presented) An optical component fixing method using an adhesive to fix the optical component and a support on which the optical component is to be fixed at a prescribed location, the method comprising:

a step of forming a notch in the support;

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a step of scoring a surface of the support so as to form kerfs communicating with the notch;

a step of bringing the optical component into direct contact with the scored surface of the support; and

a step of flowing a fluid adhesive along kerfs produced by the scoring,
wherein the scoring kerfs are formed to a depth of 0.1 μm - 1 μm , and
wherein an attachment surface of the support has a flatness of 1 μm or less.